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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Keisha Douglas

Timestamp: [year=2009; month=3; day=20; hr=17; min=21; sec=17; ms=821;]

=====

Reviewer Comments:

<400> 696

Lys	Tyr	Gly	Pro	Pro	Cys	Pro	Ser	Cys	Pro	Ala	Pro	Glu	Phe	Leu	Gly
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Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	Lys	Asp	Thr	Leu	Met
			20					25					30		
Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val	Ser	Gln
		35					40					45			
Glu	Asp	Pro	Glu	Val	Gln	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	Glu	Val
	50					55					60				
His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	Phe	Asn	Ser	Thr	Tyr
65					70					75				80	
Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Leu	His	Gln	Asp	Trp	Leu	Xaa
			85						90					95	
Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Xaa	Lys	Gly	Leu	Pro	Ser	Ser
			100					105					110		
Ile	Glu	Lys	Thr	Ile	Ser	Xaa	Ala	Xaa	Gly	Gln	Pro	Arg	Glu	Pro	Gln
		115					120						125		

Per the above sequence id# 696, please explain "Xaa" at locations 96, 106, 119 and 121. Please check the remaining sequences for similar errors.

Application No: 10566409

Version No: 1.0

Input Set:

Output Set:

Started: 2009-02-26 18:37:15.342

Finished: 2009-02-26 18:37:59.763

Elapsed: 0 hr(s) 0 min(s) 44 sec(s) 421 ms

Total Warnings: 631

Total Errors: 13

No. of SeqIDs Defined: 699

Actual SeqID Count: 699

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)
W 213	Artificial or Unknown found in <213> in SEQ ID (27)
W 213	Artificial or Unknown found in <213> in SEQ ID (28)
W 213	Artificial or Unknown found in <213> in SEQ ID (29)
W 213	Artificial or Unknown found in <213> in SEQ ID (30)
W 213	Artificial or Unknown found in <213> in SEQ ID (31)
W 213	Artificial or Unknown found in <213> in SEQ ID (32)
W 213	Artificial or Unknown found in <213> in SEQ ID (33)
W 213	Artificial or Unknown found in <213> in SEQ ID (34)
W 213	Artificial or Unknown found in <213> in SEQ ID (35)
W 213	Artificial or Unknown found in <213> in SEQ ID (36)
W 213	Artificial or Unknown found in <213> in SEQ ID (37)
W 213	Artificial or Unknown found in <213> in SEQ ID (38)
W 213	Artificial or Unknown found in <213> in SEQ ID (39)
W 213	Artificial or Unknown found in <213> in SEQ ID (40)
W 213	Artificial or Unknown found in <213> in SEQ ID (41)
W 213	Artificial or Unknown found in <213> in SEQ ID (42)
W 213	Artificial or Unknown found in <213> in SEQ ID (43)
W 213	Artificial or Unknown found in <213> in SEQ ID (44)

Input Set:

Output Set:

Started: 2009-02-26 18:37:15.342
Finished: 2009-02-26 18:37:59.763
Elapsed: 0 hr(s) 0 min(s) 44 sec(s) 421 ms
Total Warnings: 631
Total Errors: 13
No. of SeqIDs Defined: 699
Actual SeqID Count: 699

Error code	Error Description
	This error has occurred more than 20 times, will not be displayed
W 402	Undefined organism found in <213> in SEQ ID (201)
W 402	Undefined organism found in <213> in SEQ ID (202)
W 402	Undefined organism found in <213> in SEQ ID (203)
W 402	Undefined organism found in <213> in SEQ ID (204)
W 402	Undefined organism found in <213> in SEQ ID (205)
W 402	Undefined organism found in <213> in SEQ ID (206)
E 257	Invalid sequence data feature in <221> in SEQ ID (212)
E 257	Invalid sequence data feature in <221> in SEQ ID (216)
W 402	Undefined organism found in <213> in SEQ ID (451)
W 402	Undefined organism found in <213> in SEQ ID (452)
W 402	Undefined organism found in <213> in SEQ ID (457)
W 402	Undefined organism found in <213> in SEQ ID (458)
W 251	Found intentionally skipped sequence in SEQID (520)
W 251	Found intentionally skipped sequence in SEQID (521)
W 251	Found intentionally skipped sequence in SEQID (522)
W 251	Found intentionally skipped sequence in SEQID (523)
W 251	Found intentionally skipped sequence in SEQID (524)
W 251	Found intentionally skipped sequence in SEQID (525)
W 251	Found intentionally skipped sequence in SEQID (526)
W 251	Found intentionally skipped sequence in SEQID (527)
W 251	Found intentionally skipped sequence in SEQID (639)

Input Set:

Output Set:

Started: 2009-02-26 18:37:15.342
Finished: 2009-02-26 18:37:59.763
Elapsed: 0 hr(s) 0 min(s) 44 sec(s) 421 ms
Total Warnings: 631
Total Errors: 13
No. of SeqIDs Defined: 699
Actual SeqID Count: 699

Error code	Error Description
W 251	Found intentionally skipped sequence in SEQID (640)
W 251	Found intentionally skipped sequence in SEQID (643)
W 251	Found intentionally skipped sequence in SEQID (646)
W 251	Found intentionally skipped sequence in SEQID (680)
W 251	Found intentionally skipped sequence in SEQID (681)
E 257	Invalid sequence data feature in <221> in SEQ ID (685)
E 257	Invalid sequence data feature in <221> in SEQ ID (685)
E 257	Invalid sequence data feature in <221> in SEQ ID (685)
W 251	Found intentionally skipped sequence in SEQID (688)
W 251	Found intentionally skipped sequence in SEQID (689)
E 257	Invalid sequence data feature in <221> in SEQ ID (696)
E 257	Invalid sequence data feature in <221> in SEQ ID (696)
E 257	Invalid sequence data feature in <221> in SEQ ID (696)
E 257	Invalid sequence data feature in <221> in SEQ ID (696)
E 341	'Xaa' position not defined SEQID (696) POS (96)
E 341	'Xaa' position not defined SEQID (696) POS (106)
E 341	'Xaa' position not defined SEQID (696) POS (119)
E 341	'Xaa' position not defined SEQID (696) POS (121)
W 251	Found intentionally skipped sequence in SEQID (699)

<110> Ledbetter, Jeffrey A.
Hayden-Ledbetter, Martha S.
Thompson, Peter A.

<120> BINDING CONSTRUCTS AND METHODS FOR USE THEREOF

<130> 910180.40102USPC

<140> 10566409

<141> 2009-02-26

<150> PCT/US2003/041600

<151> 2003-12-24

<150> US 10/627,556

<151> 2003-07-26

<150> US 10/053,530

<151> 2002-01-17

<150> US 60/367,358

<151> 2001-01-17

<160> 699

<170> PatentIn version 3.2

<210> 1

<211> 714

<212> DNA

<213> Homo sapiens

<400> 1

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atctcccgga	cccctgaggt	cacatgcgtg	gtggtggacg	tgagccacga	agaccctgag	180
gtcaagtcca	actgttacgt	ggacggcggtg	gaggtgcata	atgccaaagac	aaagccgcgg	240
gaggagcagt	acaacagcac	gtaccgtgtg	gtcagcgtcc	tcaccgtcct	gcaccaggac	300
tggtgaatg	gcaaggagta	caagtgcaag	gtctccaaca	aagccctccc	agccccatc	360
gagaaaacaa	tctccaaagc	caaagggcag	ccccgagaac	cacaggtgta	caccctgccc	420
ccatccccggg	atgagctgac	caagaaccag	gtcagcctga	cctgcctggt	caaaggcttc	480
tatcccagcg	acatcgccgt	ggagtgggag	agcaatgggc	agccggagaa	caactacaag	540
accacgcctc	ccgtgctgga	ctccgacggc	tccttcttcc	tctacagcaa	gtcaccgtg	600
gacaagagca	ggtggcagca	ggggaacgtc	ttctcatgct	ccgtgatgca	tgaggetctg	660
cacaaccact	acacgcagaa	gagcctctcc	ctgtctccgg	gtaaatagatc	taga	714

<210> 2

<211> 235

<212> PRT

<213> Homo sapiens

<400> 2

Ser	Asp	Gln	Glu	Pro	Lys	Ser	Cys	Asp	Lys	Thr	His	Thr	Cys	Pro	Pro
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Cys	Pro	Ala	Pro	Glu	Leu	Leu	Gly	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro
				20				25					30		
Pro	Lys	Pro	Lys	Asp	Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr
				35			40						45		

Cys	Val	Val	Val	Asp	Val	Ser	His	Glu	Asp	Pro	Glu	Val	Lys	Phe	Asn
50						55					60				
Trp	Tyr	Val	Asp	Gly	Val	Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg
65					70					75					80
Glu	Glu	Gln	Tyr	Asn	Ser	Thr	Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val
				85					90					95	
Leu	His	Gln	Asp	Trp	Leu	Asn	Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser
			100					105					110		
Asn	Lys	Ala	Leu	Pro	Ala	Pro	Ile	Glu	Lys	Thr	Ile	Ser	Lys	Ala	Lys
		115					120						125		
Gly	Gln	Pro	Arg	Glu	Pro	Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser	Arg	Asp
		130					135						140		
Glu	Leu	Thr	Lys	Asn	Gln	Val	Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe
145				150						155					160
Tyr	Pro	Ser	Asp	Ile	Ala	Val	Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro	Glu
				165						170					175
Asn	Asn	Tyr	Lys	Thr	Thr	Pro	Pro	Val	Leu	Asp	Ser	Asp	Gly	Ser	Phe
			180						185					190	
Phe	Leu	Tyr	Ser	Lys	Leu	Thr	Val	Asp	Lys	Ser	Arg	Trp	Gln	Gln	Gly
			195					200						205	
Asn	Val	Phe	Ser	Cys	Ser	Val	Met	His	Glu	Ala	Leu	His	Asn	His	Tyr
		210					215					220			
Thr	Gln	Lys	Ser	Leu	Ser	Leu	Ser	Pro	Gly	Lys					
225						230									235

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<212> DNA

<213> Lama glama

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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actnccagga	ggcccttctg	tctttgtctt	ccccccgaaa	cccaaggacg	tcctctccat	120
ttttggaggc	cgagtcacgt	gcgttgtagt	ggacgtcggg	aagaaagacc	ccgaggtcaa	180

tttcaactgg	tatattgatg	gcggttgaggt	gcgaacggcc	aatacgaagc	caaaagagga	240
acagttcaac	agcacgtacc	gcggtgtcag	cgctctgcc	atccagcacc	aggactggct	300
gacggggaag	gaattcaagt	gcaaggtcaa	caacaaagct	ctcccggccc	ccatcgagag	360
gaccatctcc	aaggccaaag	ggcagacccg	ggagccgcag	gtgtacaccc	tggccccaca	420
ccgggaagaa	ctggccaagg	acaccgtgag	cgtaacatgc	ctgggtcaaag	gcttctaccc	480
agctgacatc	aacgttgagt	ggcagaggaa	cggtcagccg	gagtcagagg	gcacctacgc	540
caacacgccg	ccacagctgg	acaacgacgg	gacctacttc	ctctacagca	agctctcggt	600
gggaaagaac	acgtggcagc	ggggagaaac	cttaacctgt	gtggtgatgc	atgaggccct	660
gcacaaccac	tacaccacaga	aatccatcac	ccagtcttcg	ggtaaatagt	aatctaga	718

<210> 4

<211> 231

<212> PRT

<213> Lama glama

<400> 4

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Pro	Gly	Gly	Pro	Ser	Val	Phe	Val	Phe	Pro	Pro	Lys	Pro	Lys	Asp	Val
			20					25					30		
Leu	Ser	Ile	Ser	Gly	Arg	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val
		35					40					45			
Gly	Lys	Glu	Asp	Pro	Glu	Val	Asn	Phe	Asn	Trp	Tyr	Ile	Asp	Gly	Val
50						55					60				
Glu	Val	Arg	Thr	Ala	Asn	Thr	Lys	Pro	Lys	Glu	Gln	Phe	Asn	Ser	
65					70					75				80	
Thr	Tyr	Arg	Val	Val	Ser	Val	Leu	Pro	Ile	Gln	His	Gln	Asp	Trp	Leu
				85					90					95	
Thr	Gly	Lys	Glu	Phe	Lys	Cys	Lys	Val	Asn	Asn	Lys	Ala	Leu	Pro	Ala
			100						105				110		
Pro	Ile	Glu	Arg	Thr	Ile	Ser	Lys	Ala	Lys	Gly	Gln	Thr	Arg	Glu	Pro
		115					120					125			
Gln	Val	Tyr	Thr	Leu	Ala	Pro	His	Arg	Glu	Glu	Leu	Ala	Lys	Asp	Thr
130						135					140				
Val	Ser	Val	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro	Ala	Asp	Ile	Asn
145					150					155					160
Val	Glu	Trp	Gln	Arg	Asn	Gly	Gln	Pro	Glu	Ser	Glu	Gly	Thr	Tyr	Ala
			165						170					175	
Asn	Thr	Pro	Pro	Gln	Leu	Asp	Asn	Asp	Gly	Thr	Tyr	Phe	Leu	Tyr	Ser
			180						185				190		
Arg	Leu	Ser	Val	Gly	Lys	Asn	Thr	Trp	Gln	Arg	Gly	Glu	Thr	Leu	Thr
	195					200						205			
Gly	Val	Val	Met	His	Glu	Ala	Leu	His	Asn	His	Tyr	Thr	Gln	Lys	Ser
210						215					220				
Ile	Thr	Gln	Ser	Ser	Gly	Lys									
225					230										

<210> 5

<211> 757

<212> DNA

<213> Lama glama

<400> 5

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catcttcccc	ccgaaccca	aggacgtcct	ctccatttct	gggaggcccg	aggtcacgtg	180
cgttgtggta	gacgtgggcc	aggaagaccc	cgaggctcagt	ttcaactggg	acattgatgg	240
cgctgaggtg	cgaacggcca	acacgaggcc	aaaagaggaa	cagttcaaca	gcacgtaccg	300
cgtggtcagc	gtcctgcccc	tccagcacca	ggactggctg	acggggaagg	aattcaagtg	360

caaggtcaac	aacaaagctc	tcccggcccc	catcgagaag	accatctcca	aggccaaagg	420
gcagaccggg	gagccgcagg	tgtacaccct	ggccccacac	cggaagagc	tggccaagga	480
caccgtgagc	gtaacatgcc	tgggtcaaagg	cttctaccca	cctgatatca	acgttgagtg	540
gcagaggaat	gggcagccgg	agtcagaggg	cacytacgcc	accacgccac	cccagctgga	600
caacgacggg	acctacttcc	tctacagcaa	gctctcgggtg	ggaaagaaca	cgtggcagca	660
gggagaaacc	ttcacctgtg	tgggtgatgca	cgaggccctg	cacaaccact	acacccagaa	720
atccatcacc	cagtcttcgg	gtaaatagta	atctaga			757

<210> 6

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<212> PRT

<213> Lama glama

<400> 6

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Pro	Asn	Pro	Thr	Thr	Glu	Ser	Lys	Cys	Pro	Lys	Cys	Pro	Ala	Pro	Glu
			20					25					30		
Leu	Leu	Gly	Gly	Pro	Ser	Val	Phe	Ile	Phe	Pro	Pro	Lys	Pro	Lys	Asp
		35					40					45			
Val	Leu	Ser	Ile	Ser	Gly	Arg	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp
	50					55					60				
Val	Gly	Gln	Glu	Asp	Pro	Glu	Val	Ser	Phe	Asn	Trp	Tyr	Ile	Asp	Gly
65					70					75				80	
Ala	Glu	Val	Arg	Thr	Ala	Asn	Thr	Arg	Pro	Lys	Glu	Glu	Gln	Phe	Asn
				85					90					95	
Ser	Thr	Tyr	Arg	Val	Val	Ser	Val	Leu	Pro	Ile	Gln	His	Gln	Asp	Trp
			100					105					110		
Leu	Thr	Gly	Lys	Glu	Phe	Lys	Cys	Lys	Val	Asn	Asn	Lys	Ala	Leu	Pro
		115					120					125			
Ala	Pro	Ile	Glu	Lys	Thr	Ile	Ser	Lys	Ala	Lys	Gly	Gln	Thr	Arg	Glu
	130					135					140				
Pro	Gln	Val	Tyr	Thr	Leu	Ala	Pro	His	Arg	Glu	Glu	Leu	Ala	Lys	Asp
145					150					155				160	
Thr	Val	Ser	Val	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro	Pro	Asp	Ile
			165					170						175	
Asn	Val	Glu	Trp	Gln	Arg	Asn	Gly	Gln	Pro	Glu	Ser	Glu	Gly	Thr	Tyr
		180					185						190		
Ala	Thr	Thr	Pro	Pro	Gln	Leu	Asp	Asn	Asp	Gly	Thr	Tyr	Phe	Leu	Tyr
		195				200						205			
Ser	Lys	Leu	Ser	Val	Gly	Lys	Asn	Thr	Trp	Gln	Gln	Gly	Glu	Thr	Phe
	210					215					220				
Thr	Cys	Val	Val	Met	His	Glu	Ala	Leu	His	Asn	His	Tyr	Thr	Gln	Lys
225					230					235				240	
Ser	Ile	Thr	Gln	Ser	Ser	Gly	Lys								
					245										

<210> 7

<211> 727

<212> DNA

<213> Lama glama

<400> 7

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caccggaaaa	cctgaggtca	cgtgcttggtg	gtggacgtgg	gtaaagaaga	ccctgagatc	180
gagttcaagc	tgggtccgtgg	atgacacaga	ggtacacacg	gctgagacaa	agccaaagga	240
ggaacagttc	aacagcacgt	accgcgtgggt	cagcgtcctg	cccatccagc	accaggactg	300
gctgacgggg	aaggaattca	agtgcaaggt	caacaacaaa	gctctcccag	cccccatcga	360


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gaggaccatc tccaaggcca aagggcagac cggggagccg caggtgtaca ccctggcccc 420
acaccgggaa gagctggcca aggacaccgt gagcgtaacc tgcctgggtca aaggcttctt 480
cccagctgac atcaacgttg agtggcagag gaatgggcag ccggagtcag agggcaccta 540
cgccaacacg ccgccacagc tggacaacga cgggacctac ttcctctaca gcaaactctc 600
cgtgggaaag aacacgtggc agcagggaga agtcttcacc tgtgtggtga tgcacgagggc 660
tctacacaat cactccaccc agaaatccat caccagtcct tcgggtaaat agtaatctag 720
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<210> 8

<211> 236

<212> PRT

<213> Lama glama

<400> 8

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Asp Gln Ala His His Ser Glu Asp Pro Ser Ser Lys Cys Pro Lys Cys
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Pro Gly Pro Glu Leu Leu Gly Gly Pro Thr Val Phe Ile Phe Pro Pro
          20          25          30
Lys Ala Lys Asp Val Leu Ser Ile Thr Arg Lys Pro Glu Val Thr Cys
          35          40          45
Leu Trp Trp Thr Trp Val Lys Lys Thr Leu Arg Ser Ser Ser Ser Trp
          50          55          60
Ser Val Asp Asp Thr Glu Val His Thr Ala Glu Thr Lys Pro Lys Glu
65          70          75          80
Glu Gln Phe Asn Ser Thr Tyr Arg Val Val Ser Val Leu Pro Ile Gln
          85          90          95
His Gln Asp Trp Leu Thr Gly Lys Glu Phe Lys Cys Lys Val Asn Asn
          100          105          110
Lys Ala Leu Pro Ala Pro Ile Glu Arg Thr Ile Ser Lys Ala Lys Gly
          115          120          125
Gln Thr Arg Glu Pro Gln Val Tyr Thr Leu Ala Pro His Arg Glu Glu
          130          135          140
Leu Ala Lys Asp Thr Val Ser Val Thr Cys Leu Val Lys Gly Phe Phe
          145          150          155          160
Pro Ala Asp Ile Asn Val Glu Trp Gln Arg Asn Gly Gln Pro Glu Ser
          165          170          175
Glu Gly Thr Tyr Ala Asn Thr Pro Pro Gln Leu Asp Asn Asp Gly Thr
          180          185          190
Tyr Phe Leu Tyr Ser Lys Leu Ser Val Gly Lys Asn Thr Trp Gln Gln
          195          200          205
Gly Glu Val Phe Thr Cys Val Val Met His Glu Ala Leu His Asn His
          210          215          220
Ser Thr Gln Lys Ser Ile Thr Gln Ser Ser Gly Lys
          225          230          235

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<210> 9

<211> 54

<212> DNA

<213> Homo sapiens

<400> 9

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gatcaggagc ccaaattcttg tgacaaaact cacacatgcc caccgtgccc agca 54

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<212> PRT

<213> Homo sapiens

<400> 10

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Asp Gln Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys

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1          5          10          15
Pro Ala

<210> 11
<211> 54
<212> DNA
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<210> 12
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<212> PRT
<213> Homo sapiens
<400> 12
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      1          5          10          15
      Pro Ala

<210> 13
<211> 327
<212> DNA
<213> Homo sapiens
<400> 13
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      gaggtcaagt tcaactggta cgtggacggc gtggaggtgc ataatgccaa gacaaagccg          180
      cgggaggagc agtacaacag cacgtaccgt gtggtcagcg tcctcaccgt cctgcaccag          240
      gactggctga atggcaagga gtacaagtgc aagggtctcca acaaagccct cccagccccc          300
      atcgagaaaa ccattctcaa agccaaa          327

<210> 14
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<213> Homo sapiens
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      Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val
      20          25          30
      Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val
      35          40          45
      Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln
      50          55          60
      Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln
      65          70          75          80
      Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala
      85          90          95
      Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys
      100          105

<210> 15
<211> 324
<212> DNA
<213> Homo sapiens
<400> 15
      gggcagcccc gagaaccaca ggtgtacacc ctgcccccat cccgggagga gatgaccaag          60

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aaccagggtca gctgacctg cctgggtcaaa ggctttctatc ccagcgacat cgccgtggag 120
tgggagagca atgggcagcc ggagaacaac tacaagacca cgctcccgt gctggactcc 180
gacggctcct tcttctctta tagcaagctc accgtggaca agagcaggtg gcagcagggg 240
aacgtcttct catgtccgt gatgcatgag gctctgcaca accactacac gcagaagagc 300
ctctccctgt ccccggttaa atga 324

```

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<210> 16
<211> 107
<212> PRT
<213> Homo sapiens
<400> 16

```

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Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu
1          5          10          15
Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe
          20          25          30
Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu
          35          40          45
Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe
          50          55          60
Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly
65          70          75          80
Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr
          85          90          95
Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
          100          105

```

```

<210> 17
<211> 54
<212> DNA
<213> Homo sapiens
<400> 17

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gatcaggagc ccaaattctt tgacaaaact cacacatccc caccgtcccc agca 54

```

```

<210> 18
<211> 18
<212> PRT
<213> Homo sapiens
<400> 18

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Asp Gln Glu Pro Lys Ser Ser Asp Lys Thr His Thr Ser Pro Pro Ser
1          5          10          15
Pro Ala

```

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<210> 19
<211> 712
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Synthetic
nucleotide sequence
<400> 19

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tgatcacccc aaatcttctg acaaaaactca cacatctcca ccgtctctcag cacctgaact 60
cctgggtgga ccgtcagtct tcctcttccc cccaaaaccc aaggacaccc tcatgatctc 120
ccggaccctt gaggtcacat gcgtgggtgt ggacgtgagc cacgaagacc ctgaggtcaa 180
gttcaactgg tacgtggacg gcgtggaggt gcataatgcc aagacaaagc cgcgggagga 240

```